



PATENT

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PENDING CLAIMS AS AMENDED

Technology Center 2600

Please amend the claims as follows:

1. (Currently Amended) An apparatus for dynamically controlling transmission power from a central CDMA communications station, comprising:

receiver means for receiving a signal from a remote station;

transmitter means for adjusting a transmission power to an increased transmission power level and then re-adjusting the transmission power according to error information from the received signal, wherein re-adjusting the transmission power comprises: for the received signal to an acceptable level following a transmission power increase, wherein the acceptable level is determined by a method comprising the steps of:

~~determining the cause of the transmission power increase, wherein the cause of the transmission power increase is a random fade condition or a genuine fade condition;~~

if the ~~cause of the transmission power increase~~ error information indicates ~~[[is]]~~ a random fade condition, then reducing the transmission power at a first predetermined rate for a first predetermined time period ~~in response to the transmission power increase;~~

if the transmission power is ~~[[still]]~~ at an unacceptable level after ~~the step of~~ reducing the transmission power at a first predetermined rate for a first predetermined time period, then continuing to reduce the transmission power at a second predetermined rate for at least one other predetermined time period following the first predetermined time period; and

if ~~the cause of the transmission power increase~~ error information indicates ~~[[is]]~~ a genuine fade condition, then maintaining the transmission power at the level of the transmission power increase.

2. (Original) The apparatus of Claim 1, wherein the first predetermined rate is a nonzero predetermined rate and the second predetermined rate is at least one other nonzero predetermined rate.

3. (Original) The apparatus of Claim 1, wherein the received signal is a power control message generated by the remote station.

4. (Original) The apparatus of Claim 1, wherein the received signal is a motion message generated by the remote station.

5. (Original) The apparatus of Claim 1, wherein the receiver means is used further for measuring a Doppler shift in the received signal and wherein the transmitter means is for adjusting the transmission power level in accordance with the measured Doppler shift.

6. (Original) The apparatus of Claim 1, further comprising a decoder means for decoding the received signal and for generating a quality estimate in accordance with the decoded signal and wherein the transmitter means is for adjusting the transmission power in accordance with the quality estimate.

7. (Original) The apparatus of Claim 1, wherein the receiver means is further for measuring received signal power, and wherein the transmitter means is for adjusting the transmission power in accordance with the measured received signal power.

8. (Cancelled)✓

9. (Currently Amended) An apparatus for controlling transmission power of variable rate frames of data, comprising:

control processor means for providing a transmit power signal and ~~is further~~ for determining a reference rate transmit power level, and for determining at least one additional reference rate transmit power level in accordance with the reference rate transmit power;

variable gain transmitter means for receiving the transmit power signal and a frame rate signal, and for amplifying the variable rate frames in accordance with the transmit power signal and the frame rate signal; and

variable rate data source means for providing the variable rate data frames and the frame rate signal.

10. (Original) The apparatus of Claim 9 further comprising receiver means for receiving a frame quality message from a remote communication station, wherein the control processor means is responsive to the frame quality message.

11. (Original) The apparatus of Claim 10, wherein the control processor means comprises a gain adjust selector means for selecting a gain adjustment value responsive to the frame quality message.

Claims 12 – 22 (Cancelled)

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